

ABSTRACT

[0046] This invention relates to a DNA sequence comprising a nucleotide sequence encoding a variant α_{2B} -adrenoceptor protein and to the variant α_{2B} -adrenoceptor protein as well as a method for screening a subject to determine if the subject is a carrier of a variant gene that encodes the variant α_{2B} -adrenoceptor protein. This invention also relates to a method for treating a mammal suffering from vascular contraction of coronary arteries, the method comprising the step of administering a selective α_{2B} -adrenoceptor antagonist to the mammal. This invention further relates to transgenic animals comprising a human DNA molecule encoding human α_{2B} -adrenoceptor protein or the variant α_{2B} -adrenoceptor protein.